

**TRI Releases On- and Off-site, 1998-2001**

	1998	1999	2000	2001	Change 2000-2001	Change 1998-2001
	Number	Number	Number	Number	Percent	Percent
Total Facilities	23,486	23,039	22,861	21,863	-4.4	-6.9
Total Forms	85,067	83,692	83,036	79,175	-4.6	-6.9
Form Rs	72,125	70,962	70,079	66,943	-4.5	-7.2
Form As	12,942	12,730	12,957	12,232	-5.6	-5.5
	Pounds	Pounds	Pounds	Pounds	Percent	Percent
<b>On-site Releases</b>						
Total Air Emissions	2,174,480,631	2,037,938,343	1,910,893,962	1,674,701,620	-12.4	-23.0
Fugitive Air Emissions	392,823,028	277,312,751	255,413,174	239,886,238	-6.1	-38.9
Point Source Air Emissions	1,781,657,602	1,760,625,592	1,655,480,788	1,434,815,383	-13.3	-19.5
Surface Water Discharges	253,953,970	268,156,201	266,570,826	219,722,131	-17.6	-13.5
Underground Injection	258,424,539	250,736,163	269,223,873	208,280,132	-22.6	-19.4
Class I Wells	232,355,325	223,279,201	239,487,132	192,332,268	-19.7	-17.2
Class II-V Wells	26,069,214	27,456,962	29,736,741	15,947,864	-46.4	-38.8
On-site Land Releases	4,104,341,065	4,353,455,067	3,740,842,968	2,997,152,316	-19.9	-27.0
RCRA Subtitle C Landfills	190,559,741	187,195,131	200,823,801	116,655,843	-41.9	-38.8
Other On-site Landfills	3,913,781,324	4,166,259,936	3,540,019,167	2,880,496,473	-18.6	-26.4
<b>Total On-site Releases</b>	<b>6,791,200,204</b>	<b>6,910,285,773</b>	<b>6,187,531,629</b>	<b>5,099,856,200</b>	<b>-17.6</b>	<b>-24.9</b>
<b>Off-site Releases</b>						
Storage Only <sup>a</sup>	8,068,030	7,069,388	9,125,572	5,452,214	-40.3	-32.4
Solidification/Stabilization <sup>b</sup>	41,657,314	42,306,097	73,011,024	103,588,597	41.9	148.7
Metal and Metal Compounds Only						
Wastewater Treatment (Excluding POTWs) <sup>c</sup>	2,766,507	6,566,113	6,892,748	3,671,352	-46.7	32.7
Metal and Metal Compounds Only						
Transfers to POTWs <sup>d</sup>	3,551,549	2,974,282	3,059,940	2,151,530	-29.7	-39.4
Metal and Metal Compounds Only						
Underground Injection	8,322,674	23,569,784	20,268,451	16,122,953	-20.5	93.7
Landfills/Surface Impoundments	273,598,001	273,221,925	302,912,219	324,796,579	7.2	18.7
Land Treatment	2,214,102	3,640,731	5,613,484	7,071,250	26.0	219.4
Other Land Disposal	27,181,739	24,809,238	21,097,551	20,904,535	-0.9	-23.1
Other Off-site Management	18,232,677	24,966,762	16,791,321	13,947,438	-16.9	-23.5
Transfers to Waste Broker for Disposal	14,583,206	13,021,644	13,109,476	9,916,611	-24.4	-32.0
Unknown <sup>e</sup>	3,887,947	4,045,440	5,817,637	3,276,626	-43.7	-15.7
<b>Transfers Off-site to Disposal (Transfers Off-site to Disposal)</b>	<b>404,063,746</b>	<b>426,191,402</b>	<b>477,699,423</b>	<b>510,899,685</b>	<b>7.0</b>	<b>26.4</b>
<b>Total On- and Off-site Releases</b>	<b>7,195,263,950</b>	<b>7,336,477,176</b>	<b>6,665,231,053</b>	<b>5,610,755,885</b>	<b>-15.8</b>	<b>-22.0</b>

**Note:** Does not include PBT chemicals, vanadium and vanadium compounds. **On-site Releases** are from Section 5 of Form R. **Off-site Releases** are from Section 6 (transfers off-site to disposal) of Form R. **Off-site Releases** include metals and metal compounds transferred off-site for solidification/stabilization and for wastewater treatment, including to POTWs. **Off-site Releases** do not include Facilities/forms are included in the original industry category if they did not report a new industry SIC code. Facilities/forms are included in the new industry category if the facility/form has a new industry SIC code and no SIC code in 20-39. If the facility reported in any year prior to 1998 and the facility/form has a combination of original and new industry SIC codes, then the facility/form is included in the One facility, Phelps Dodge Miami of Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 2000 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.

<sup>a</sup> Storage only (disposal code M10) indicates that the toxic chemical is sent off-site for storage because there is no known disposal method. Amounts reported as transferred to storage only are included as a form of disposal (off-site release).

<sup>b</sup> Beginning in reporting year 1997, transfers to solidification/stabilization of metals and metal compounds (waste treatment code M41) are reported separately from transfers to solidification/stabilization of non-metal TRI chemicals (waste treatment code M40). Because this treatment method prepares a metal for disposal, but does not destroy it, such transfers are included as a form of disposal (off-site).

<sup>c</sup> Beginning in reporting year 1997, transfers to wastewater treatment (excluding POTWs) of metals and metal compounds (waste treatment code M61) are reported separately from transfers to wastewater treatment of non-metal TRI chemicals (waste treatment code M60).

Because wastewater treatment does not destroy metals, such transfers are included as a form of disposal (off-site release). Transfers of <sup>d</sup> Reported as discharges to POTWs in Section 6.1 of Form R. EPA considers transfers of metals and metal compounds to POTWs as an off-site release because sewage treatment does not destroy the metal content of the waste material.

<sup>e</sup> Unknown (disposal code M99) indicates that a facility is not aware of the type of waste management used for the toxic chemical that is sent off-site. Amounts reported as unknown transfers are treated as a form of disposal (off-site release).